


Please type a plus sign (+) inside this box →



Approved for use through 10/31/99. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO		Complete if Known	
 <p>Use as many sheets as necessary)</p>		Application Number	09/766,362
		Filing Date	January 19, 2001
		First Named Inventor	Solomon S. Steiner
		Group Art Unit	1614
		Examiner Name	
Sheet 1 of 3	Attorney Docket Number	PDC 119	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	US Patent Document		Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
AS		4,151,273		Riegelman et al.	04-24-1979	
AS		4,272,398		Jaffe	06-09-1981	
AS		4,332,721		Bernini	06-01-1982	
AS		4,384,975		Fong	05-24-1983	
AS		4,861,627		Mathiowitz.	08-29-1989	
AS		5,043,280		Fischer et al.	08-27-1991	
AS		5,354,562		Platz et al.	10-11-1994	
AS		5,700,471		End et al.	12-23-1997	
AS		5,747,002		Clark et al.	05-05-1998	
AS		5,776,495		Duclos et al.	07-07-1998	
AS		5,780,062		Frank et al.	07-14-1998	
AS		5,800,834		Spireas et al	09-01-1998	
AS		5,817,343		Burke	10-06-1998	
AS		5,833,891		Subramaniam et al.	11-10-1998	
AS		5,851,453		Hanna et al.	12-22-1998	
AS		5,855,913		Hanes et al.	05-05-1999	
AS		5,874,064		Edwards et al.	02-23-1999	
AS		5,952,008		Backstrom et al.	09-14-1999	
AS		5,352,461		Feldstein et al.	10-04-1994	
AS		5,503,852		Steiner et al.	05-02-1996	
AS		6,071,497		Steiner et al.	06-06-2000	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office. <sup>3</sup>	Number <sup>2</sup>	Kind Code <sup>5</sup> (if known)				

Examine Signature	<i>Humera N. Sheikh</i>	Date Considered	12-07-01
-------------------	-------------------------	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

<sup>1</sup> Unique citation designation number <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SENT TO: Assistant Commission for Patent, Washington, DC 20231.

+

RECEIVED

SEP 27 2001  
TECHNICAL CENTER 1600/2900

Please type a plus sign (+) inside this box →



Approved for use through 10/31/99, OMB 0851-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

TECH CENTER 1600/2900  
RECEIVED  
SEP 27 2001

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO		Complete if Known	
 Use as many sheets as necessary)		Application Number	09/766,362
		Filing Date	January 19, 2001
		First Named Inventor	Solomon S. Steiner
		Group Art Unit	1614
		Examiner Name	
Sheet 2 of 3		Attorney Docket Number	PDC 119

OTHER ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
HS		BENITA, et al., "Characterization of Drug-Loaded Poly(d,l-lactide) Microspheres," <i>J. Pharm. Sci.</i> 73:1721-1724 (1984).	
HS		KATCHALSKI, et al., "Synthesis of Lysine Anhydride," <i>J. Amer. Chem. Soc.</i> 68:879-880 (1946).	
HS		KOPPLE, et al., "A Convenient Synthesis of 2,5-Piperazinediones," <i>J. Org. Chem.</i> 33(2):862-864 (1968).	
HS		KORNBLUM, "Sustained-action tablets prepared by employing a spray-drying technique for granulation," <i>J. Pharm. Sci.</i> 58(1):125-27 (1969).	
HS		LIM, et al., "Microencapsulation of living cells and tissues," <i>J. Pharm. Sci.</i> 70:351-354 (1981).	
HS		MATHIOWITZ & LANGER, , "Polyanhydride Microspheres As Drug Carriers I. Hot-Melt Microencapsulation," <i>J. Controlled Release</i> 5:13-22 (1987).	
HS		MATHIOWITZ, et al., "Morphology of Polyanhydride Microsphere Delivery Systems," <i>Scanning Microscopy</i> 4:329-340 (1990).	
HS		MATHIOWITZ, et al., "Novel Microcapsules for Delivery Systems," <i>Reactive Polymers</i> 6:275-283 (1987).	
HS		MATHIOWITZ, et al., "Polyanhydride Microspheres as Drug Carriers. II. Microencapsulation by Solvent Removal," <i>J. Appl. Polymer Sci.</i> 35:755-774 (1988).	
HS		MATHIOWITZ, et al., "Polyanhydride Microspheres. IV. Morphology and Characterization of Systems Made by Spray Drying," <i>J. Appl. Polymer Sci.</i> 45:125-134 (1992).	

Examiner's Signature	<i>Hanana N. Sheikh</i>	Date Considered	12-07-01
----------------------	-------------------------	-----------------	----------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you require to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →



Approved for use through 10/31/99. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

Complete if Known

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Application Number

09/766,362

Filing Date

January 19, 2001

First Named Inventor

Solomon S. Steiner

Group Art Unit

1614

Examiner Name

Attorney Docket Number

PDC 119

Sheet

3

of

3

**OTHER ART - NON PATENT LITERATURE DOCUMENTS**

Examiner's Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
NS		SALIB, et al., "Utilization of Sodium Alginate in Drug Microencapsulation," <i>Pharmazeutische Industrie</i> 40(11A):1230 (1978).	
NS		SAWHNEY, et al., "Bioerodible Hydrogels Based on Photopolymerized Poly(ethylene glycol)-co-poly(a-hydroxy acid) Diacrylate Macromers," <i>Macromolecules</i> 26:581-587 (1993).	

Examiner's  
Signature

*Nunera M. Sheikh*

Date Considered

12-07-01

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you require to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.